

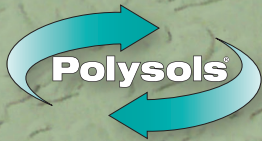
TEXTILE SOLUTIONS INC.

Sound Silent 7

DECOUPLING BOARDS

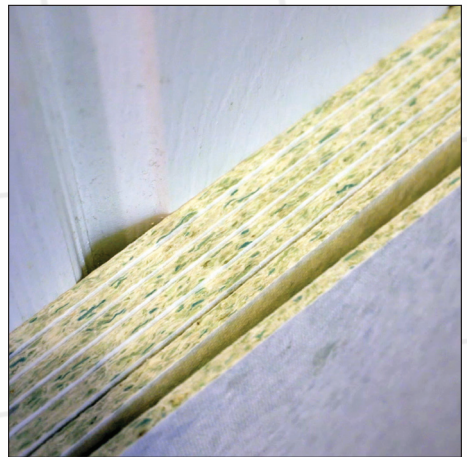


Our Sound Silent 7 decoupling boards have been specially developed for the improvement of sound impact.



Sound Silent 7 decoupling boards are an innovative solution for reducing impact noise in buildings.

They are made from 100% recycled High Density Polyethylene (HDPE), making them an environmentally responsible choice for building owners and contractors. The boards are specially designed to decouple the structural elements of a building and effectively isolate the transmission of impact sounds, such as footsteps and other mechanical noises. They are made from a high-density material that provides superior sound insulation and resistance to compression. The unique design of the Sound Silent 7 decoupling boards allows for easy installation, as they can be easily cut and fitted to any space. Incorporating the Sound Silent 7 decoupling boards into the design of a building not only improves sound insulation and enhances the overall comfort of the building, but also contributes to a more sustainable future by using recycled materials in construction projects. Overall, the Sound Silent 7 decoupling boards provide an effective and cost-efficient solution for reducing impact noise in buildings.



Effective sound control involves reducing the transmission of impact noise, such as footsteps and other mechanical sounds, as well as airborne noise, such as voices and music. The design of walls, floors, ceilings, and windows all play a critical role in minimizing noise transmission.

By incorporating effective sound control measures into the design, we can not only enhance the comfort and satisfaction of building occupants but also increase the overall value and appeal of the structure. This can lead to increased rental rates and a more competitive market position, which can ultimately result in increased profitability.



PRODUCT DATA

Sound-Control-Underlayment

Polysols® Sound Silent 7 Acoustical Board

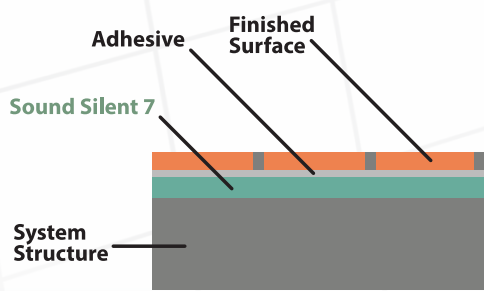
Characteristics and Applications

Polysols® Sound Silent 7 is an effective acoustical underlayment, that not only, provides great sound absorption and insulation but also doubles as a powerful decoupler to ensure adequate noise reduction in residential and commercial structures. Sound Silent 7 offers a high mechanical load-bearing capacity of 73.09 lbs./ft², with a noise reduction decrease of up to 17dB with ceramic tiles (per ISO 702), because of the incredible sound dampening technology. Sound Silent 7 also acts as a de-stressor because of its hardened polymer shape to allow a larger portion of the floor area to be covered in ceramic or natural stone.

Technical Data

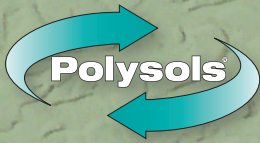
Sound Silent 7 consists of a 7mm thick, Polyester-Fiber-Panel with optimal density for maximum sound insulation.

Properties	Values
Thickness	7mm
Weight Per Unit Area	0.8 lbs./ft²
Dimensions (Length/Width)	23.75"x 39.25"
Thermal Resistance (R-value) ASTM C518	0.737 ft²*°F*hr./BTU
Tensile Strength	9.4 N/mm2 (1369 psi)
7-Day Shear Strength (ANSI 118.12)	53PSI > 50 PSI Standard
Robinson Floor Test (ANSI 118.13)	7 Cycles Rated for Light to Moderate Commercial Usage



Sound Insulation Class Rating over 6” (15cm) Concrete Slab

ASTM Test Method	Type of Sound-Transmission Measurement	Membrane Thickness	Suspended Ceiling	No Suspended Ceiling
E90	STC	7mm	62	56
E492	IIC	7mm	67	52
E492	IIC Delta	7mm	-	21



INSTALLATION

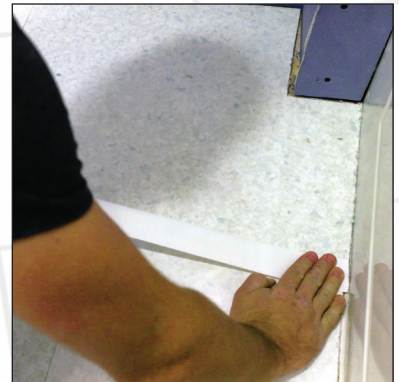
Polysols® Sound Silent 7 panels should be placed over the subfloor in a floating style, staggering the panels to eliminate long seams. Make sure to leave sufficient space between the panels and any vertical structures such as walls or supports. Make sure to secure butt joints with a self-adhesive tape. Before the panels can be walked on, follow the manufacturer dry times for the adhesive used in bonding the floor covering to the panels.

Polysols® Sound Silent 7 can be cut with a sharp razor or carpet cutter. You may use an angle grinder with a diamond coated friction disk. Table saws are also a good option, just be sure to follow ALL safety guidelines before operating.

NOTE -The system structure must be smooth and able to support a minimum dynamic load capacity of 20.88 lbs./ft². It is also advisable to use leveling compound to level the structure before installing the panels to the subfloor.



Stagger the panels to eliminate long seams.



Once in place, use seam tape to secure the boards together.

FLOOR COVERINGS

Ceramic or porcelain tiles, natural stone, ready to lay parquet, laminate, Luxury Vinyl Plank, and Luxury Vinyl Tile can be laid directly onto the Sound Silent 7. Tiles must have a minimum size of approximately 12"x12" tiles. In kitchens, laundry rooms, bathrooms, and basements; apply a water proof sealant over the Sound Silent 7 according to manufacturer's specifications. A highly polymer-modified joint sealer is recommended as a grout which will strengthen the bond of the tiles to the Sound Silent 7, as well as provide additional sound dampening support for the panels.

PACKAGING

Boards Dimensions- 23.75" x 39.25"
SqFt/Panel- 6.50 ft²
Board/Panels per pallet- 200/pallet
roughly 1300 ft² of coverage per pallet.

AVAILABILITY

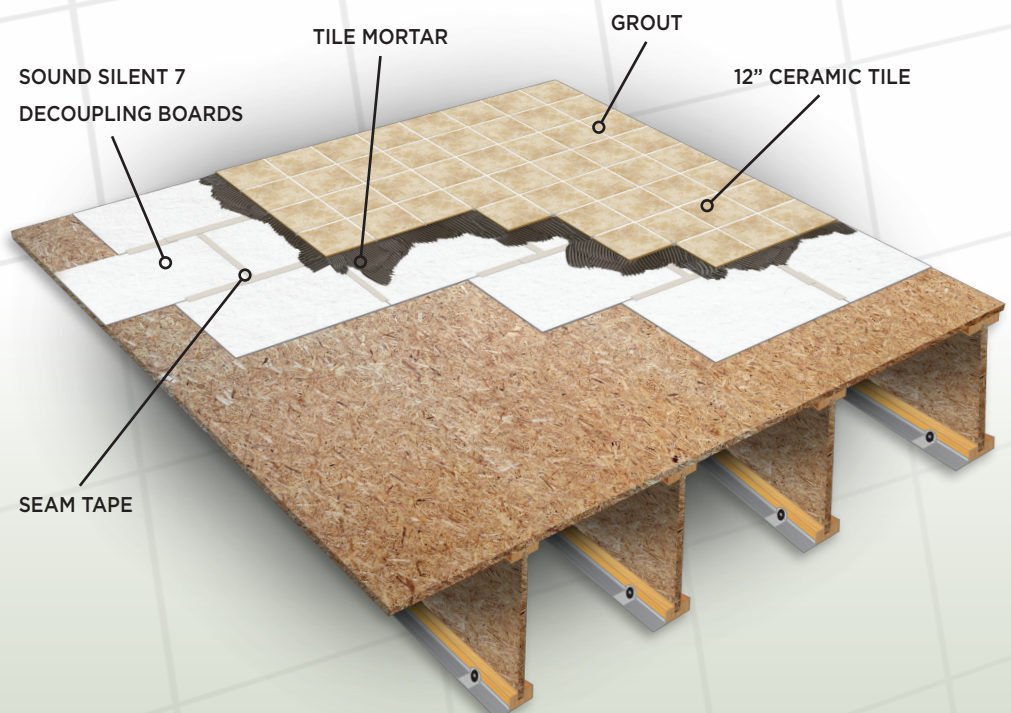
Polysols® Sound Silent 7 is unique to the United States with product stocked in Spartanburg, South Carolina.

WORKPLACE SAFETY

Provided that Polysols® Sound Silent 7 is installed professionally, no special protective measures are necessary.

DISPOSAL

Product waste should be disposed of as construction-site waste.



SAFETY DATA (1907/2006/EG, Article 31)

Material: Polyester-Fiber-Panel

Polysols Inc. BORN Series, UR Series, UR-Light Series, Sound Silent Series 01.10.2022

Section 1: Identification of the substance or mixture

1.1 Product:

UR Series, UR-Light Series, UR- Sound Silent Series

1.2 Relevant identified uses of the substance or mixture and Uses, advised against:

Relevant identified uses:

Decoupling and impact sound insulation panels
for the building industry.

Uses advised against:

No further relevant information available.

1.3 Details of the supplier:

Manufacture: Polysols Textile Solutions, Inc.
851 Simuel Rd
Spartanburg, SC 29301

Information on the safety data sheet:

Quality Management Department

Phone 1+ (864) 579-4484

Email info@polysols.com

1.4 Emergency number:

1+ (864) 978-9825

Section 2: Possible dangers

2.1 Classification of the substance or mixture

Classification according to

Regulation (EG) No. 1272/2008

The product is not classified according to
the CLP regulation.

2.2 Label elements

Labeling according to

Regulation (EG) no. 1272/2008 N/A

Hazard pictograms N/A

Signal word N/A

Statements N/A

2.3 Other hazards

The product is not toxic when used as intended by
the manufacturer. So far, no health impairments
have become known.

Section 3: Composition / Information on Ingredients

3.1 Substances

This product is a mixture.

3.2 Mixtures

Mixture of polyethylene terephthalate, polypropylene, polyethylene.
This product is not dangerous preparation within the meaning of
Directive 1999 / EG

Section 4: Composition / Information on Ingredients

4.1 Description of first aid measures

General information

Under normal working place conditions, no special measures are required.

After inhalation

A hazard by inhalation of this product (fluff) is not present in compliance
if necessary fixed MAC values. Therefore no special treatment is necessary.
Fiber fly and dust are to be removed by suction and ventilation.

If the product becomes torn and excessive fibers inhaled one should go
to fresh air and if cough or other symptoms also develop, please seek
medical attention.

After Skin contact

Wash with soap and water.

Medical care, if irritation develops.

After eye contact

Eyes should be rinsed immediately with plenty of water.

If the irritation persists, medical care should be provided.

After swallowing

No special measures needed. If symptoms persist consult a doctor.

4.2 Most important acute and delayed symptoms and effects

No further relevant information available.

4.3 Indication of immediate medical attention and special treatment

No further relevant informations available.

Section 5: Fire-fighting measures

5.1 extinguishing agent

Suitable:

All common extinguishing agents,
firefighting measures to the environment.

Not suitable:

Water when the fire started by electrical
short circuit.

5.2 form the substance or mixture of hazards

No decomposition products when used as intended; Depending on the
temperature and air intake, carbon monoxide, carbon dioxide and low
molecular weight, organic compounds are present in the combustion
gases.

5.3 Advice for firefighters

Special protective equipment:

When fighting fires in confined spaces use
self-contained breathing apparatus.

Section 6: Accidental Release Measures

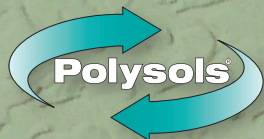
6.1 Personal precautions, protective equipment and emergency procedures

Accumulation of fiber dust and flight could pose a fire hazard
if sufficient concentrations are present.

Keep ignition sources away.

Pay attention to the effect of electrostatic charging.

Continued next page



6.2 Environmental precautions

Collecting or absorbing saw cuttings to avoid further spreading by wind.

6.3 Methods and materials for containment and cleaning.

Before cleaning can be considered, please read the sections "Firefighting measures" and "Handling and storage". Use suitable "personal protective equipment" during cleaning.

6.4 Reference to other sections

For information on safe handling, see section 7
See section 8 for personal protection information
Information on disposal, see section 13

Section 7: Handling and Storage

7.1 Precautions for safe handling

Keep away from sources of ignition. Do not smoke. Avoid or eliminate fiber fly and dusts. Pay attention to the effect of electrostatic charging.

7.2 Conditions for safe storage, including any incompatibilities

Store material in a dry and lying position.

7.3 Specific end

No further relevant information available.

Section 8: Limitation and monitoring exposure Personal protective equipment

8.1 Control parameters

The product does not contain any relevant quantities of substances with workplace-related limit values to be monitored.

8.2 Limitation and monitoring of exposure

Personal protective equipment:

General protection and hygiene measures

Wash hands before breaks and at the end of work

Respiratory Protection

no special precautions, except in case of fire

Hand Protection

no special precautions

Eye Protection

Safety glasses and cut resistant gloves are recommended when cutting.



Section 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

General Information

Appearance

- Physical State: fixed
- Color: whitish to greenish

Odor: weak to none

Odor Threshold: not determined

PH Value: N/A

Melting point / Melting Range: 250 – 260 °C

Initial Boiling Point & Range: not determined

Flash Point: N/A

Evaporation: N/A

Inflammability (Solid / Gas): will burn in fire

Explosion limits: N/A

Vapor Pressure: N/A

Vapor Density: $\mu = 19 - 33$

(Water Vapor Permeability)

Relative Density: 600 – 1000 kg/m³

Solubility(s): insoluble in water

Partition Coefficient:
in Octanol / Water: unknown

Self-Ignition: ca. 520 °C

Decomposition Temperature: not be denied

Viscosity: N/A

Explosive Properties: unknown

Oxidizing Properties: N/A

9.2 Other Information

No further relevant information available

Section 10: Stability and reactivity

10.1 Reactivity

If properly stored & handled, no dangerous reaction known.

10.2 Chemical stability

No decomposition if used according to specifications.

10.3 Possibility of hazardous reactions

No dangerous reactions known.

10.4 Conditions to avoid

Avoid temperatures above 100° C.

10.5 Incompatible materials

No further relevant informations available.

10.6 Hazardous decomposition products

see 5.2



Section 11: Toxicological informations

11.1 Information of toxicological effects

Acute Toxicity	see 2
Corrosive / Irritating Effect in the Skin	unknown
Serious Eye Damage / Irritation	unknown
Respiratory or Skin Sensitization	unknown
Others	see 2

Section 12: Environmental information

12.1 Toxicity

Aquatic Toxicity No further information available.

12.2 Persistence and degradability

Polyester is inert and rot-resistant to naturally occurring soil.

12.3 Bioaccumulative

No further relevant information available.

12.4 mobility on the ground

No further relevant information available.

12.5 Result of PBT- and vPvB assessment

PBT: N/A

vPvB: N/A

12.6 Other adverse effects

No further relevant information available.

Section 13: Disposal

13.1 Waste treatment method

If recycling is not possible, the product may be disposed of in accordance with local regulations or incinerated in suitable incineration plants.
[Waste code 170701]

Uncleaned packaging

Recommend disposal according to official regulations.

Section 14: Transport Information

14.1 UN-Number

ADR, ADN, IMDG, IATA N/A

14.2 UN proper shipping name

ADR, ADN, IMDG, IATA N/A

14.3 Transpord hazard class

ADR, ADN, IMDG, IATA
Class N/A

14.4 Packing group

ADR, IMDG, IATA N/A

14.5 Environmental hazards

Marine pollutant No

14.6 Special precautions for users

N/A

14.7 Transport in bulk according to Annex II of the MARPOL Convention in accordance with the IBC Code

N/A

No dangerous goods according to the above regulations

Section 15: Regulatory

15.1 Safety, health and environmental regulations / legislation specific for the substance or mixture

The product is not a dangerous good in terms of national and international regulations.

15.2 Chemical Safety Assessment

A safety assessment was not carried out.

Section 16: Other information

The information in this safety data sheet relates solely to the product described herein and not to use in combination with any other substance or preparation or product or process. This safety data sheet is intended to protect people and the environment through proper information for commercial users. It is not for the private one Consumers thought. The information is based on our present knowledge, however they are no assurance of product properties and establishes no contract legal rights.



Sound Silent 7 decoupling boards are an innovative solution for reducing impact noise in buildings.



Polysols®
Textile Solutions Inc.

851 Simuel Road / Spartanburg, SC 29301
864-579-4484 / www.POLYSOLS.com

The data in this product information correspond to the current conditions of the realizations of the manufacturer. All testing data has been certified from the lab and is, to the best of our knowledge, an accurate representation of our product. Please note that Polysols Inc. is not liable for any damages, to the flooring system, as we are not the installers. Please follow all of the manufacturer's safety protocols and guidelines when using our product.